

Identified studies assessing passive smoke exposure on lung function in infants

Study	Year of Publication	Cohort	Study Location	Population	Exposure	Outcome	Potential confounders allowed for
Bisgaard	2009	Copenhagen Prospective Study on Asthma in Childhood	Denmark	404 infants, 6 weeks old	Maternal smoking during pregnancy	Forced expiratory function, bronchial responsiveness	Age, birth weight, BMI at birth
Clark	1995	Hammersmith Cohort Study	UK	73 infants, 3 weeks old	Maternal smoking during pregnancy	Bronchial responsiveness, tidal breathing ratio, max flow at functional residual capacity	None
Dezateux	1999	East London Cohort Study	UK	101 infants, 7.8 weeks old	Maternal smoking during pregnancy	Functional residual capacity, specific airway conductance, tidal breathing ratio, respiratory system compliance	None
Dezateux	2001	East London Cohort Study	UK	100 infants, 56 weeks old	Postnatal maternal smoking	Functional residual capacity, tidal breathing ratio, respiratory system compliance,	Family history of asthma, diagnosis of wheeze, specific conductance at 8 weeks

						specific conductance	
Hanrahan	1992	East Boston Cohort Study	USA	80 infants, 4.2 weeks old	Maternal smoking during pregnancy	Flow at functional residual capacity	None
Hoo	1998	East London Cohort Study	UK	108 infants, <36 weeks gestation	Maternal smoking during pregnancy	Tidal breathing ratio, respiratory system compliance, max flow at functional residual capacity	Sex, ethnic group, body size, postnatal age, socioeconomic status
Martinez	1988	Tucson children's Respiratory Cohort Study	USA	124 infants, 8 weeks old	Maternal and paternal smoking	Functional residual capacity, tidal breathing, total respiratory conductance, total respiratory resistance, maximal flow at functional residual capacity	None
Milner	1999	St. Thomas's Cohort Study	UK	289 infants, 2.5 days old	Maternal smoking during pregnancy	Tidal breathing ratio, respiratory system compliance,	Maternal age, socioeconomic status, gestational age, Apgar score at birth,

						respiratory system resistance	age at time of study
Murray	2002	Manchester Asthma and Allergy Study	UK	69 infants, 37 days old	Maternal and paternal smoking during pregnancy	Max flow at functional residual capacity	Time of test, sex, maternal asthma, maternal Dep. P1 mattress levels
Stick	1996	Western Australia Pregnancy Cohort Study	Australia	461 infants, 2.4 days old	Maternal smoking during pregnancy	Tidal breathing ratio	Maternal hypertension, age of infant, respiratory rate, family history of asthma
Tan	2012	Infant Lung function Cohort Study	Australia	55 infants, 6 weeks old	Paternal smoking during pregnancy	Tidal volume, respiratory rate, minute ventilation, peak expiratory flow	None
Young	1991	Perth Cohort Study	Australia	63 infants, 4.5 weeks old	Maternal and paternal smoking during pregnancy	Max flow at functional residual capacity, airway resistance	None
Young	2000	Perth Cohort Study	Australia	253 infants, at 1, 6, and 12 months of age	Maternal smoking during pregnancy	Functional residual capacity, respiratory	None

						system compliance, respiratory system resistance, tidal breathing ratio	
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